MERIT ENERGY COMPANY

Shoshone 65-20

Plug and Abandonment Procedure **Revised 3/29/2022**

Well Information

Field: Circle Ridge
County: Fremont County, Wyoming
Legal: 330' FSL & 1,060' FEL Section 36 T7N R3W
Lat/Long: 43.5336, -109.05592
API #: 4901306833

Ground level elevation	7,217'	**KB Elevation:**	7,229'
TD:	1,148'	**PBTD:**	1,148'
Surface Casing:	9-5/8", 25.7 #/ft, @ 74'		
Surface Casing Cement:	75 sx		
Surface Casing TOC:	Surface	**Source:**	Drilling Report
Production Casing; **Liner:**	5-1/2" 14.0 #/ft, J-55, @ 905' 4-1/2" 11.6 #/ft, K-55 @ 847'		
Production Casing Cement **Liner Cement**	75 sx 55 sx Class G		
Production Casing TOC **Liner TOC**	567' Surface	**Source:**	Calculation Workover Report
Production Tubing	2-7/8" 6.5 #/ft tubing and packer		
Open perforations	Phosphoria OH: 905' – 1,148'		
Well Status	Shut In Injector		

Note: All cement pumped for this procedure will be 15.8 ppg Class G neat cement with a yield of 1.16 cu. Ft/sk and .3% by weight dispersant added.

Plugging Procedure

1. MIRU, pull all tubing, packers, rods, and pumps out of hole.
2. Run Bit and Scraper to the bottom of the liner @ 847'.
3. Set CICR 50' above the bottom of the liner at 797'.
4. Pump 1.5x wellbore volume (40 sx) of cement below CICR.
5. Sting out of CICR, pump 16 sx on top of retainer (TOC = 560').
6. ~~WOC 24 hours.~~ **It has been deemed this step is not necessary and is removed.**
7. Pressure test casing to a minimum of 500 psi for 10 minutes.
8. Perforate at 525' thru 4.5" Liner and 5.5" production CSG.
9. Squeeze cement behind 5.5" csg from 525' to surface and then balance cmt plug inside 4.5" liner to surface.
10. WOC 24 hours. If cement level has fallen top off production casing with cement back to surface utilizing 1" poly hose.
11. Cut casing 3' below grade and weld on dry hole plate w/ legal ID. Remove rig anchors.

MERIT ENERGY COMPANY

Field: Circle Ridge
Total Depth
Location: SW/SE, SEC36, TN, R3W

Well: Shoshone 65 20

Status: SHUT-IN
County, State: FREMONT, WYOMING
API: 490130683300

CPF: Circle Ridge
Spud Date: 1/1/1900
Ground Elevation: 7,217.00
KB Elevation: 7,229.00
On Production Date: 7/25/1953

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